NORTH KESTEVEN RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

AND

PUBLIC HEALTH INSPECTOR

FOR THE YEAR

1970

DONCASTERS LTD.,
MINT LANE, LINCOLN

NORTH KESTEVEN
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

AND

PUBLIC HEALTH INSPECTOR

FOR THE YEAR

1970

DONCASTERS LTD.,
MINT LANE, LINCOLN

Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

https://archive.org/details/b29914103

NORTH KESTEVEN RURAL DISTRICT COUNCIL

ANNUAL REPORT of the Medical Officer of Health and Public Health Inspector for 1970.

Chairman: Mr. F. G. Newton, Swinderby
Vice-Chairman: Mr. H. F. Steward, Bracebridge Heath
Medical Officer of Health: Dr. J. F. Adam, M.B., B.S., D.OBST., R.C.O.G.
Clerk: Mr. T. L. Hill
Treasurer: Mr. D. S. Stubbs
Legal Advisers: Messrs. Danby, Eptons & Griffith, Solicitors, Lincoln.

Surveyor and Chief Public Health Inspector:
Mr. J. Freeman, C.ENG., F.I.MUN.E., M.R.S.H., M.A.P.H.I.
Deputy Surveyor: Mr. B. R. Wallace, A.R.I.C.S., M.I.P.H.E.
Deputy Chief Public Health Inspector:
Mr. D. G. Owens, M.A.P.H.I.
Additional Public Health Inspectors:
Mr. B. G. Minion, M.A.P.H.I.
Mr. J. R. Manners, M.R.S.H., M.A.P.H.I.
Mr. H. Jackson, M.A.P.H.I.
Pupil Public Health Inspector:
Mr. C. J. Kitcher

Council Offices:
31 Clasketgate, Lincoln.
Telephone No. 23221.

Surveyor and Chief Public Health Inspector's Department:
Beech Street, Bracebridge, Lincoln.
Telephone No. 27395/6/7.
Garage and Store, Sleaford Road, Metheringham.
Telephone No. 470.

The Chairman and Vice-Chairman act as *ex-officio* members of all Committees and Sub-Committees of the Council (except the Rating and Valuation Committee)

Mr. Chairman, Ladies and Gentlemen,

As your Medical Officer of Health, I beg to lay before you my report on the vital statistics, Health and Sanitary Conditions of your District for the year ending 31st December, 1970.

Statistics and Social Conditions of the Area.

Area (acres)	100,124
Population 1970 (Estimated Mid-Year)	46,720
1969	44,910
Dwelling houses (including houses with shops)	13,959
Commercial Properties	849
Licensed Premises	57
Entertainment and Recreational	47
Public Utility	84
Educational and Cultural	49
Industrial	33
Miscellaneous	132
Total number of hereditaments	15,210
Rateable Value of District	£1,301,487
Penny Rate Product	£5,000

Council Tenancies

Permanent houses and bungalows	2,165
Aluminium bungalows	54
Total	2,219

The following industries and occupations exist in the district:—Agriculture, crop drying, an egg packing station, brick making kilns, light engineering works, stone and sand and gravel quarries, vehicle depots and garages, wholesale distributors (SPD), a clothing factory, Jointine Products, the Malleable Iron Works, food manufacture at the N.A.A.F.I. bakery at North Hykeham and pest control at Metheringham.

VITAL STATISTICS 1970

Birth and Death Rates

As the age and sex distributions of the population in different areas materially affects both the Birth and Death rates of these areas, comparability factors allowing for this are issued by the Registrar General for each local Government Unit. These factors are used in calculating what are termed as nett rates and fairer comparisons are obtained if the latter are used when comparing rates with those of any other area (when these have been similarly adjusted) or with rates for the Country as a whole.

These factors for Births and Deaths in respect of North Kesteven Rural District are 1.00 and 0.90 respectively. The corresponding figures when multiplied by the Crude Rate (that is, for Births and Deaths as the case may be) will give the nett rate.

	M.	F.	Total
Live Births	435	390	825
Legitimate	417	372	789
Illegitimate	18	18	36
Crude live birth rate per 1,000 population	..	..	17.7
Nett live birth rate per 1,000 population	..	..	17.7
Rate for England and Wales	..	..	16.0
Illegitimate live births—Per cent of total births ..	..	..	4.0%
Still births	5	1	6
Legitimate	5	1	6
Illegitimate	—	—	—
Still birth rate per 1,000 live and still births.. ..	..	..	7.0
Rate for England and Wales	..	..	13.0
Total live and still births	440	391	831
Deaths	253	217	470
Crude death rate per 1,000 of estimated population	..	..	10.1
Nett death rate per 1,000 of estimated population ..	..	..	9.1
Rate for England and Wales	..	..	11.7

Infant Mortality	M.	F.	Total
i.e. deaths of infants under the age of 1 year ..	5	4	9
Legitimate	4	4	8
Illegitimate	1	—	1
Infant Mortality rate per 1,000 live births			11.0
Rate for England and Wales			18.0
Legitimate infant deaths per 1,000 legitimate live births			10.0
Illegitimate infant deaths per 1,000 illegitimate live births			28.0
Deaths of infants under four weeks	4	1	5
Deaths of infants under one week	3	1	4
Neonatal mortality rate per 1,000 live births under 4 weeks.. ..			6.0
Rate for England and Wales			12.0
Early neonatal mortality rate per 1,000 live births under 1 week ..			5.0
Rate for England and Wales			11.0
Perinatal Mortality rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births)			12.0
Rate for England and Wales			23.0

Maternal Mortality (including abortion)

Number of deaths	0
Rate per 1,000 total live and still births	0.00

The birth rate at 17.7 per 1,000 is slightly higher than that of England and Wales as a whole at 16.0.

The death rate at 10.1 compares favourably with the figures for England and Wales at 11.7.

The infant mortality rate for the area was 11.0 which compares with that of the national average of 18.0.

The natural increase in the population of the area, that is the excess of live births over deaths was 355.

CAUSES OF DEATH

		M.	F.	Total
1.	Tuberculosis of Respiratory System	1	—	1
2.	Late effects of Respiratory T.B.	1	—	1
3.	Other infective and parasitic Diseases	1	1	2
4.	Malignant Neoplasm, Buccal Cavity etc. ..	1	—	1
5.	Malignant Neoplasm, stomach	3	4	7
6.	Malignant Neoplasm, Intestine	4	6	10
7.	Malignant Neoplasm, Lung, Brunchus ..	17	4	21
8.	Malignant Neoplasm, Breast	—	6	6
9.	Malignant Neoplasm, Uterus	—	2	2
10.	Malignant Neoplasm, Porstate	2	—	2
11.	Leukaemia..	3	1	4
12.	Other Malignant Neoplasms	6	6	12
13.	Diabetes Mellitus..	—	4	4
14.	Avitaminoses, etc.	—	1	1
15.	Anaemias	1	1	2
16.	Mental Disorders..	1	2	3
17.	Multiple Sclerosis..	—	2	2
18.	Other Diseases of Nervous System	4	1	5

19.	Chronic Rheumatic Heart Disease	2	3	5
20.	Hypertensive Disease	3	3	6
21.	Iscaemic Heart Disease	78	39	117
22.	Other Forms of Heart Disease	11	19	30
23.	Cerebrovascular Disease	23	27	50
24.	Other Diseases of Circulatory System	7	9	16
25.	Influenza	2	1	3
26.	Pneumonia	38	52	90
27.	Bronchitis and Emphysema	12	7	19
28.	Other Diseases of Respiratory System	2	—	2
29.	Peptic Ulcer	1	—	1
30.	Appendicitis	—	1	1
31.	Intestinal Obstruction & Hernia	1	1	2
32.	Cirrhosis of Liver	2	—	2
33.	Other Diseases of Digestive System	—	3	3
34.	Nephritis & Nephrosis	2	—	2
35.	Hyperplasia of Prostate	1	—	1
36.	Other Disease, Genito-Urinary System	2	1	3
37.	Diseases of Musculo-Skeletal System	1	3	4
38.	Congenital Anomalies	3	—	3
39.	Birth Injury, Difficult Labour, etc.	3	—	3
40.	Other Causes of Perinatal Mortality	—	1	1
41.	Symptoms and Ill-Defined Conditions	—	1	1
42.	Motor Vehicle Accidents	6	2	8
43.	All other Accidents	3	3	6
44.	Suidice and Self-Inflicted Injuries	3	—	3
45.	All other External Causes	2	—	2

Iscaemic Heart Disease was the principal cause of death accounting for 28.75% of the total deaths. Pneumonia accounted for 22.11% of the total deaths. Cancer in all forms accounted for 15.97%, one in 32.31% being due to cancer of the lung, bronchus. Cerebrovascular Disease accounted for 12.31% of the total deaths. Other Forms of Heart Disease accounted for 7.37%.

There were 8 deaths due to motor vehicle accidents which is 3 less than the previous year. Deaths due to all other accidents amounted to 6 which is the same number as the previous year.

There were 3 deaths from suicide which is 4 less than the previous year.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Nursing in the Home

Under the County Council Scheme, District Nurse/Midwives are stationed at villages throughout the area.

The following details are in current use and not necessarily appertaining to the year 1970 only.

They are stationed at:—

District	Nurse	Parishes or Hamlets
BASSINGHAM	Mrs. J. Frith, The Bungalow, Harmston Road, Aubourn, Lincoln Tel. Bassingham 320	Bassingham, Thurlby, Carlton-Le-Moorland, Norton Disney, Stapleford

District	Nurse	Parishes or Hamlets
BRANSTON	Mrs. M. Chapman, Sleaford Road, Branston, Lincoln Tel: Branston 285	Branston, Fens and Mere
BRANT BROUGHTON	Mrs. Thompson, The Homestead, Church Lane, Brant Broughton	Brant Broughton, Beckingham, Stragglethorpe
HYKEHAM	Mrs. M. A. Daft, The Plough Inn, North Hykeham Tel: North Hykeham 515 Mrs. R. E. Gunnigle and Mrs. Millikin, Timms Cottage, Stones Lane, Waddington Tel: Waddington 694	North and South Hykeham Brant Road and Cliffe Gardens Estate
LEADENHAM	Mrs. C. Ruthen, 8 Stratton Close, R.A.F. Cranwell, Sleaford Tel: Cranwell 287	Leadenham
POTTERHANWORTH	Mrs. M. E. Finn, Nurse's House, Wellhead Lane, Nocton, Lincoln Tel: Metheringham 453	Potterhanworth, Nocton, Dunston and Fens (General Nursing and Health Visiting Only)
SKELLINGTHORPE	Mrs. C. E. Lockwood, 58 Gardenfield Road, Wiseholme Estate, Skellingthorpe, Lincoln Tel: Doddington 589	Skellingthorpe, Whisby, Doddington, Eagle, North Scarle, Swinethorpe
SWINDERBY	Miss Frith, Nurse, The Bungalow, Harmston Road, Aubourn Tel: Bassingham 320	Aubourn, Haddington, Harmston Morton Hall, Swinderby, R.A.F. Swinderby, Thorpe-on-the-Hill
WADDINGTON	Mrs. A. M. Place, Nurse, "Caledonia," Canwick Avenue, Bracebridge Heath Tel: Lincoln 24034	Bracebridge Heath, Waddington
WASHINGBOROUGH	Miss G. A. Foster, Nurse, Nurse's House, Fen Road, Heighington, Lincoln Tel: Washingborough 281	Canwick, Washingborough, Heighington and Fens
WELLINGORE	Miss E. M. Howard, Nurse, Nurse's House, Grantham Road, Navenby Tel: Navenby 302	Wellingore
Relief Nurses:	Nurse, Mrs. A. Freeman, 14 Sutton Road, Beckingham Fenton Claypole 260 Mrs. B. Smith, 33 Somerville Close, Waddington Waddington 541	
Health Visitors:	Miss M. A. Daniels, 28 Meynell Avenue, Lincoln Lincoln 24084 Miss K. P. Brown, The Croft, Caunton Caunton 265 Mrs. D. E. Edgell, The Paddock, Norton Disney Bassingham 237 Miss S. Crawshaw, 91 Camwood Crescent, Birchwood, Lincoln	
Part Time School Nurse: (for Hykeham district)	Mrs. B. Beale, 35 Water Lane, North Hykeham	

CHILDREN'S DEPARTMENT

Director of Social Services	Mr. W. Crouch, Kesteven County Council, County Offices, Sleaford Telephone: Sleaford 3241
Area Officer	Miss S. J. Skelton, 7 Inns Close, North Hykeham Tel. 30165 Residential Address: 15 Broadway, Bracebridge Heath Tel: 25728

MENTAL WELFARE DEPARTMENT

County Mental Welfare Officer:	Mr. M. A. Clark, Kesteven County Council, County Offices Sleaford Telephone: Sleaford 3241
North Kesteven Area Mental Welfare Officer	Mrs. D. M. Robson, 9 Inns Close, North Hykeham Tel: Lincoln 22856

WELFARE DEPARTMENT

County Welfare Officer:	Mr. J. W. Allpress, Kesteven County Council, County Offices, Sleaford Telephone Sleaford 3241
North Kesteven Area Welfare Officer	Mr. J. Brown, 9 Inns Close, North Hykeham Telephone Lincoln 22856

Immunization and Vaccination

Diphtheria, whooping cough, poliomyelitis immunization, measles, tubella and smallpox vaccination is provided free of charge by the general practitioners in the area and at the local authority clinics.

International Certificates of Vaccination

A total of 317 certificates received approval during the year, 247 of which were against Smallpox, 62 against Cholera, 7 against TAB and 1 against Polio.

Ambulance Service

Ambulances serving the area are based at Sleaford and Waddington. The County ambulance service is still running at great pressure. It is important that this service should be used with considerable care in order to avoid over-burdening.

School Clinic

This is held every Wednesday morning at 30 Lindum Road, Lincoln between the hours of 10.00 a.m. to 11.30 a.m.

Infant Welfare Clinics

These are scattered throughout the principal villages in the area. See enclosed list of Infant Welfare Clinics.

Mothercraft and Relaxation Classes

These take place at the Church Hall I.W.C. at North Hykeham and also at Brant Road Social Club there has been a good attendance of each session. In addition to a session of relaxation exercises, a talk relating to pregnancy, childbirth or mothercraft was given at each attendance.

Hospital Services

All the usual hospital services are provided by the Sheffield Regional Hospital Board at the Lincoln County and St. Georges Hospital, Lincoln. Also situated in the Council's area are St. John's Hospital which specializes in cases of mental illness and Harmston Hall Hospital at Harmston which specializes in cases of mental subnormality. There is also a hospital at Branston for the treatment of Chest diseases and tuberculosis. Nocton Hall R.A.F. Hospital caters for R.A.F. personnel living in the area and their families. It is also helpful in dealing with more civilian cases. Maternity Services are provided by the new maternity Hospital.

Public Health Laboratory Service

Bacteriological investigations are carried out by the Public Health Laboratory Service situated at Lincoln County Hospital under the supervision of Dr. Croll. The service includes the examination of milk and water supplies as well as general bacteriological examinations for the general practitioners and the Public Health Departments. I should particularly like to thank Dr. Croll for his generous assistance and advice.

Venereal Disease Clinic

A special clinic for the diagnosis and treatment of veneral diseases is held at the Lincoln County Hospital.

INFECTIOUS DISEASE

Dysentery

5 cases of dysentery were notified during 1970 compared to 16 in the previous year.

Diphtheria

No cases were notified during the year. It is essential that a high level of immunization be maintained in order to prevent the possibility of an outbreak. The triple vaccine giving protection against diphtheria, whooping cough and tetanus is available for infants and young children. It is particularly important that tetanus immunizations for agricultural workers should be encouraged as these workers are at greater risk than others in this agricultural community.

Whooping Cough

4 cases were notified during 1970 as compared with no case being reported last year.

Poliomyelitis

There were no cases of poliomyelitis notified during the year in this area.

There are now plentiful supplies of oral vaccine available and it is most essential that all children should receive this vaccine in order to maintain an immune community. It is thought that the immunity from 3 doses of oral vaccine is probably lifelong.

Measles

A full measles programme was started in 1968. Recent events in Holland emphasise the extreme importance of making a high standard of immunity in the population.

Food Poisoning

1 case of Food Poisoning was notified during the year.

Tuberculosis

There were 5 new cases of tuberculosis notified during the year. Of these five cases four were respiratory. One death was attributable to respiratory tuberculosis during the year. Enormous developments have taken place in the treatment and prevention of tuberculosis in recent years but if there is any relaxation in the battle against this disease final eradication will be further postponed. Protection against tuberculosis is offered to 13 year old school children.

German Measles

A National immunisation programme has been introduced.

Brucellosis

In this area we are from time to time concerned with cases of Brucellosis. This disease is endemic in Britain.

In man it is a disease presenting a great variety of symptoms. It can cause mild fever or can give rise to prolonged ill health. Farm workers and veterinary surgeons are most at risk but from time to time the infection is detected in raw milk supplies when the public are at risk.

With regard to cases of infectious diseases in general it should be noted that a considerable number of these are admitted to hospital in Lincoln before a diagnosis is made. If the diagnosis is made in a Lincoln Hospital, the notification return is included in those of Lincoln City and not in that of North Kesteven R.D.C. The hospital concerned, however, makes the practice of informing myself of the diagnosis in order that preventive measures can be carried out in the home and the locality from which the case originated.

The figures presented for 1970 bear a satisfactory comparison to the National figures.

INFANT WELFARE CLINICS

Centre	Doctor	Secretary	Day When Held
BASSINGHAM The Village Hall	Dr. A. Morris	Mrs. Kelley, Manor House, Bassingham Tel. Bassingham 394	3rd Tuesday
BRACEBRIDGE HEATH The Village Hall	Dr. P. M. Birch, 77 Washingborough Road, Heighington Tel. Wash. 404	Mrs. M. Spice, Engineers House, St. Johns Hospital, Bracebridge Heath	2nd and 4th Thursday
BRANSTON The Methodist Chapel	Dr. A. Morris	Mrs. H. E. Deverill, 110 Lincoln Road, Branston Tel. Branston 302	2nd Tuesday
EAGLE The Village Hall	Dr. E. E. Fox	Mrs. I. Roe, Enfield Farm, Eagle	2nd Wednesday
HEIGHINGTON The Village Hall	Dr. P. M. Birch, Heighington	Mrs. E. Pratt, Heighington Hall, Heighington Tel. Washingborough 244	2nd Thursday
LEADENHAM The Village Hall	Dr. E. A. Whiteley	Mrs. M. S. Longthorn 16 North Road, Leadenham	4th Tuesday
METHERINGHAM Methodist Chapel Schoolroom	Dr. B. Wright, Metheringham	Miss C. A. Turner, 16 Jubilee Street, Ruskington	1st Wednesday
NAVENBY The Wesleyan School	Dr. A. Morris	Mrs. Mason, North Lane, Navenby Tel. Navenby 285	2nd Friday
NOCTON The Village Hall	Dr. B. Wright Metheringham	Mrs. P. Dickinson, 21 Wellhead Lane, Nocton	4th Wednesday
NORTH HYKEHAM VILLAGE The Church Hall	Dr. E. E. Fox	Mrs. M. Reynolds, 5 Manor Road, North Hykeham	2nd and 4th Tuesday
NORTH HYKEHAM NEWARK ROAD The Memorial Hall	Dr. P. M. Birch	Mrs. D. Kent, 35 McMillan Avenue, North Hykeham	1st and 3rd Monday Doctor only 3rd Monday
NORTH HYKEHAM St. Hugh's	Dr. P. M. Birch	Mrs. Dickman, 77 Broadway, North Hykeham Tel. Lincoln 24101	1st and 3rd Wednesday
NORTON DISNEY The Village Hall	Dr. D. Nixon, The Chestnuts, Collingham, Nr. Newark	Mrs. S. M. Dorey, Vine Tree Farm, Norton Disney, (Welfare Foods— Mrs. Meredith Tel. Bass 296)	2nd Friday
POTTERHANWORTH The Village Hall	Dr. P. A. Morris	Mrs. T. H. N. Battle, The Old Hall, Potterhanworth Tel. Branston 338	3rd Friday
SKELLINGTHORPE The Women's Institute	Dr. E. E. Fox	Mrs. F. H. Turner, Waterloo House, Waterloo Lane, Skellingthorpe Tell. Doddington 288	2nd Monday and 4th Wednesday Doctor in attendance both days
SWINDERBY Methodist Church School Room	Dr. D. Nixon, The Chestnuts, Collingham, Nr. Newark, Notts.	Mrs. S. D. Newton, Newton's Farm, Swinderby	1st Friday
WADDINGTON R.A.F.		Mrs. M. Turnhill, 35 Tedder Avenue, Waddington	1st and 3rd Thursday
WADDINGTON VILLAGE The New Village Hall	Dr. E. E. Fox, 501 Newark Road, Lincoln	Mrs. M. A. Lowe, 178 Grantham Road, Waddington	1st and 3rd Tuesday
WASHINGBOROUGH The Village Hall	Dr. P. M. Birch, Heighington	Mrs. M. Dalton, 31 Park Avenue, Washingborough Tel. Washingborough 243	3rd Tuesday
LINCOLN (BRANT ROAD) Social Club	Dr. P. M. Birch Heighington	Mrs. M. Levers, 54 Redwood Drive, Brant Road, Lincoln Tel. Lincoln 29553	2nd and 4th Monday

INFECTIOUS DISEASES

Age	Diphtheria	Infective Hepatitis	Pneu-monia	Measles	Whooping Cough	Viral Meningitis	Dysentery	Scarlatina	Acute Polio-myelitis	Cerebro Spinal Fever	Post Infectious Encephatis	Menin-gococcal Infection	Total
Under 1 year	—	—	—	2	—	—	—	—	—	—	—	—	2
1	—	—	—	15	—	—	—	—	—	—	—	—	15
2	—	—	—	14	1	—	—	—	—	—	—	—	15
3	—	—	—	13	—	—	—	1	—	—	—	—	14
4	—	—	—	21	—	—	—	—	—	—	—	—	21
5—9	—	—	—	38	3	1	4	—	—	—	2	—	48
10—14	—	—	—	—	—	—	—	1	—	—	1	1	3
15—24	—	2	—	2	—	—	—	1	—	—	—	—	5
25 and over	—	1	—	1	—	—	1	—	—	—	—	—	3
Total	—	3	—	106	4	1	5	3	—	—	3	1	126
Admission to Hospital	—	—	—	—	—	1	—	—	—	—	1	1	3

nspection of Meat

In the area there are 2 licensed slaughterhouses.

The following is a tabular statement for the post-mortem inspection of nimals:—

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	552	671	21	361	1710	Nil
Number inspected	552	671	21	361	1710	Nil
All diseases except Tuberculosis and Cysticerci Whole carcases condemned	Nil	15	2	8	15	Nil
Carcases of which some part or organ was condemned	67	262	4	6	120	Nil
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	12.14%	41.28%	28.57%	3.9%	78.9%	Nil
Tuberculosis only Whole carcases condemned	Nil	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or organ was condemned	Nil	Nil	Nil	Nil	21	Nil
Percentage of the number inspected affected with tuberculosis	Nil	Nil	Nil	Nil	1.22%	Nil
Cysticercosis Carcases of which some part or organ was condemned	2	2	Nil	Nil	Nil	Nil
Carcases submitted to treatment by refrigeration	2	2	Nil	Nil	Nil	Nil
Generalised and totally condemned	Nil	Nil	Nil	Nil	Nil	Nil

Weight of Meat Condemned

	Carcase Meat			Offal		
	tons	cwts.	lbs.	tons	cwts.	lbs.
Bovine	4	10	90	2	0	108
Sheep	—	3	92	—	—	35
Pigs	1	10	49	—	4	87
Horses	—	—	—	—	—	—
Total:	6	5	9	2	5	110

The Ministry of Agriculture, Fisheries and Food have ceased sending reactor cattle into the slaughterhouse of Messrs. Hughes & Sons (Skellingthorpe) Ltd.

Disposal of Condemned Meat

This is taken to a Knackers Yard in the district for processing into pet food and fertilisers.

Food Hygiene (General) Regulations, 1960

	Restaurants and Cafes	Butchers	Grocers and Confectioners	Fish and Chip Fryers	Bakehouses	Fruiterers	Licensed Premises
No. of premises	19	22	114	12	3	3	64
No. fitted to comply with Regulation 16	19	22	114	12	3	2	64
No. to which Regulation 19 applies	19	22	90	12	3	1	64
No. fitted to comply with Regulation 19	19	21	90	12	3	1	64

Food Premises registered under Section 16 of the Food and Drugs Act, 1955.

Sale of Ice-Cream	Manufacture of Meat Products	Fish and Chip Fryers
141	26	12

202 inspections of food premises were made during the year.

Ice Cream (Heat Treatment, etc.) Regulations, 1959

There are no manufacturers of ice-cream in the district, but there are several soft ice-cream vehicles operating from registered premises in North Hykeham.

During the year twenty two samples of ice-cream were taken, of the twenty two samples of ice-cream, 13 were found to be grade I, four grade II, three grade III, and two grade IV.

The Liquid Egg (Pasteurisation) Regulations, 1963

There are no pasteurisation plants in the district.

Poultry Inspection

There are no poultry processing premises within the district.

Milk Samples

These are taken by the Kesteven County Council Public Health Department and details of this work are reproduced below:

No. Samples Submitted	Results of Methylene Blue Test	
	Satisfactory	Unsatisfactory
6 Pasteurised	6	—
18 Untreated	17	1

Brucella Abortus

18 samples were taken for biological examination and brucella abortus was isolated from one sample. The Ministry of Agriculture, Fisheries and Food were at the time of sampling from this particular herd carrying out an investigation in connection with the 'Brucellosis Accredited Herd Scheme' and as a result a number of cows in the herd found to be infected were sold for slaughter. Subsequent samples from this herd were satisfactory.

Swimming baths

A total of 35 samples of water were taken from school swimming baths in this district and of these, five samples were found to be unsatisfactory.

ENVIRONMENTAL HEALTH INSPECTION OF THE AREA

Visits to Slaughterhouses	294
Drains Tested	662
Housing Inspection	732
Knackers Yard	4
Refuse Tips	114
Inspections on Complaint	300
Other Inspections under Public Health Act	443
Inspections under Food and Drugs Act	202
Infectious Diseases	51
Water Samples taken	16
Caravan Acts	89
Buildings in course of Erection	2503
Scavenging	38
Factories Act	29
Miscellaneous	1617
Animal Boarding Establishment Act	7
Offices, Shops and Railway Premises Act	75
Civic Amenities Act	45

HOUSING

In carrying out their duties under the Housing Acts in respect of unfit houses, investigating applications for Improvement Grants and supervising the subsequent work, your Public Health Inspectors made 732 visits. The following gives brief details of the outcome of this work.

Slum Clearance

During 1970, 10 houses were reported to the Council under Section 16, Housing Act, 1957, as being unfit for human habitation and incapable of being rendered fit at reasonable expense.

Since 1956 a total of 179 dwellings have been included in Clearance Areas under Section 42 and of these 122 have been demolished, 2 converted to garages, 4 made fit, and 51 remain to be dealt with by demolition.

Since November, 1955, a total of 415 dwellings, first dealt with by Clearance Order or Section 16 of the Housing Act, 1957, have been demolished.

Rent Act, 1957

During the year no applications for a certificate of Disrepair were received.

Improvement Grants

During the year the Council approved 27 applications for Discretionary Grants, the amount of grants involved being £14,942. The total number of Discretionary Grants approved since the commencement of the Act is 400.

The number of Standard Grants approved during the year was 49 making a total since commencement of the Act of 577.

Conversion of Closets under Section 47, Public Health Act, 1936

During the year the Council approved 10 applications for converting closets (other than water closets) to water closets, making a total of 241 since the commencement of the scheme.

New Housing

26 new Council Dwellings were completed during the year bringing the total built since the end of the war to 1612.

During the year 405 dwellings were completed by private builders making a total of 6,241 since the war. At the end of the year 198 private dwellings were under construction.

Council House Improvements

The number of improvements to older type of Council dwellings during the year 1970 was 34 bringing the total since 1962 to 286.

SANITARY CIRCUMSTANCES IN THE AREA

Water Supply

All parishes have a piped water supply from the Lincoln and District Water Board. Details of the supply are given below.

	Direct Services		*Pillar Fountains*	
	No. of Properties served	*Popl'n served*	*No. of Properties served*	*Popl'n served*
Aubourn, Haddington and South Hykeham	185	770	3	10
Bassingham	368	795	1	3
Beckingham	76	276	—	—
Boothby Graffoe	57	218	—	—
Bracebridge Heath	1057	4375	—	—
Branston and Mere	715	2808	5	15
Brant Broughton and Stragglethorpe	222	916	1	1
Canwick	133	467	—	—
Carlton-le-Moorland	84	314	—	—
Coleby..	156	533	2	7
Doddington and Whisby	95	389	—	—
Dunston	145	600	3	13
Eagle and Swinethorpe	179	664	—	—
Harmston	99	365	—	—
Heighington	517	1968	1	4
Leadenham	182	568	1	2
Metheringham	610	2448	3	10
Navenby (includes Skinnand) ..	263	1128	3	10
Nocton	108	1017	—	—
North Hykeham	2826	9543	—	—
North Scarle	110	577	1	4
Norton Disney	60	245	—	—
Potterhanworth	129	613	1	2
Skellingthorpe	1029	2602	—	—
Stapleford	29	206	—	—
Swinderby	166	677	—	—
Thorpe-on-the-Hill (includes Morton)	280	906	—	—
Thurlby	26	1526	—	—
Waddington	1075	4759	1	3
Washingborough	781	2677	1	3
Welbourn	208	603	—	—
Wellingore	223	873	2	7

(a) Water supplied to all areas has been satisfactory in both quality and quantity.

(b) Weekly bacteriological examinations are made of all water supplied and periodic samples for chemical and flourine content are sent to the Water Board's Analyst. Weekly reports are submitted to the Council. The fluoride content of the water is shown in the chemical analysis.

(c) The water does not have any undue plumbo-solvent action on lead and special precautions are not therefore necessary.

(d) A strict hygienic code of practice is carried out at all times at the pumping stations and reservoirs. All new mains are chlorinated before use.

CHEMICAL ANALYSES

Waneham Bridge Pumping Station, Metheringham

This water contains per million parts:

Total Solids dried 180° C	695.00
Suspended Matter	Absent
Chlorides as Chlorine	47.00
Nitrate Nitrogen	9.2
Nitrite Nitrogen	0.001
Ammoniacal Nitrogen	0.01
Albuminoid Nitrogen	0.03
Carbonate Hardness	485.00
Non-Carbonate Hardness	245.00
Excess Alkalinity as Sodium Carbonate	—
Oxygen absorbed from N/80 $KMnO_4$ in 4 hrs. at 27°C	0.15
pH Value	7.89
Odour and Taste	Normal
Colour—Hazen Units	4
Heavy Metals	0.06
Free Chlorine	Absent
Fluorides as Fluorine	0.1

Observations At the time of sampling this water was of suitable chemical quality for human consumption, domestic use and dairy purposes.

It is of note that the high nitrate content of this water last year made it unsuitable for consumption by infants under one year old. However, this figure has reduced this year and is now quite acceptable.

Potterhanworth Pumping Station

This water contains per million parts:

Total Solids dried 180°C	680.00
Suspended Matter	Absent
Chlorides as Chlorine	46.0
Nitrate Nitrogen	7.7
Nitrite Nitrogen	0.001
Ammoniacal Nitrogen	0.01
Albuminoid Nitrogen	0.03
Carbonate Hardness	410.00
Non-Carbonate Hardness	210.00
Excess Alkalinity as Sodium Carbonate	—
Oxygen absorbed from N/80 $KMnO_4$ in 4 hrs. at 27°C	0.36
pH Value	7.87
Odour and Taste	Normal
Colour—Hazen Units	5
Heavy Metals	0.03 as Copper
Free Chlorine	Absent
Fluorides as Fluorine	0.10

Observation At the time of sampling this water was of suitable chemical quality for human consumption, domestic use and dairy purposes.

Refuse Collection

A weekly collection of refuse was carried out throughout the whole of the district, the work being executed by direct labour.

The system of collection is that the full dustbin is collected from the rear of the premises and the empty bin is returned to the rear of the premises.

Controlled tipping continued at Bracebridge Lowfields

Civic Amenities Act 1967

Under this Act the policy is for a separate collection to be made of bulky items of household refuse from the dwelling, if such items cannot be removed during normal collection.

Sewage Disposal

At the end of 1970 the following villages were sewered and the sewers were in use:—Aubourn, Bassingham, Beckingham, Boothby Graffoe, Bracebridge Heath, Branston, Brant Broughton, Canwick, Carlton-le-Moorland, Haddington, Heighington, Leadenham, Metheringham, Navenby, Nocton, North Hykeham, Skellingthorpe, South Hykeham (with the exception of the Newark Road area) Swinderby, Thorpe-on-the-Hill, Waddington, Washingborough, Welbourn and Wellingore.

The extension of the sewage disposal works at Brant Road, Waddington was completed and a laboratory and office provided on site. In the latter part of the year work commenced on sewer laying in the Newark Road area of South Hykeham and was substantially completed at the year end.

Agreement was reached with Lincoln Corporation on the question of pumping sewage from Branston and Heighington into the sewage disposal works of that authority.

Tenders were invited for the sewering of Dunston and the extension of the sewage disposal works at Metheringham and at the end of the year work was about to commence.

The Ministry of Housing and Local Government approved the scheme for the sewering of Potterhanworth and tenders were invited for the execution of the work.

Work was commenced on the sewering of Doddington, Eagle and North Scarle and was progressing at the end of the year.

The Council continued their policy of connecting dwellings to the new sewers which had been provided and contracts were carried out in Swinderby and Thorpe-on-the-Hill.

During the year grant aid was given for the conversion of unsatisfactory types of closets into water closets.

OFFICES SHOPS AND RAILWAY PREMISES

1. Registrations and General Inspections

Class of Premises	No. registered during the year	No. of registered premises at end of year	No. of registered premises receiving an inspection
Offices	2	15	12
Retail Shops	4	85	50
Wholesale Shops and Warehouses	2	4	4
Catering est. open to public Canteens	—	16	8
Fuel Storage Depots	—	2	1
Totals	8	122	75

2. Analysis of Contraventions

Section	Contraventions	No. found	Section	Contraventions	No. found
4	Cleanliness	4	14	Seats (sedentary workers)	—
5	Overcrowding	—	15	Eating facilities	—
6	Temperature	2	16	Floors, passage and stairs	3
7	Ventilation	—	17	Fencing exposed parts machinery	2
8	Lighting	—	18	Protection of young persons from dangerous machinery	—
9	Sanitary Conveniences	—	19	Training young persons working at dangerous machinery	—
10	Washing facilities	1	23	Prohibition of heavy work	—
11	Supply of Drinking Water	—	24	First Aid General Provisions	2
12	Clothing Accommodation	2		Other matters	10
13	Sitting facilities	—		Total	30

All contraventions were dealt with informally and it was not necessary to take any legal action during the year.

Pests Act, 1949

The Council employ two full-time Rodent Operators. The District is divided into two areas, each Operator being responsible for a particular area.

The Report for the Year Ending 31st December, 1970, which is sent to the Ministry of Agriculture, Fisheries and Food, is reproduced to show the results of their work.

	Type of Property	
Properties other than Sewers	Non Agricultural	Agricultural
1. Number of properties in district	13,726	1,168
2. a. Total number of properties (including nearby premises) inspected following notification	312	75
b Number infested by (i) Rats	280	63
(ii) Mice	10	3
3. a. Total number of properties inspected for rats and/or mice for reasons other than notification.	3,142	561
b. Number infested by (i) Rats	1,346	205
(ii) Mice	3	9

Sewers

	YES	NO
4. Were any sewers infested by rats during the year?		✓

(tick as appropriate)

Surface Properties and Sewers

5. Any other points of interest? No.

Defects found in Factories, Workshops and Workplaces

Sanitary accommodation:—

(*a*) Insufficient, Nil. (*b*) Unsuitable or defective 2. All were remedied.

Premises	Number on Register	Inspections	Written Notices
Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	8	—	—
Factories not included in (i) in which Section 7 is enforced by the Local Authority.	91	29	—
Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	22	—	—
TOTAL	121	29	—

No defects were found during these inspections.

I remain,

Your obedient Servant,

J. F. ADAM,

Medical Officer of Health.